



Title V Operating Permit

Permit No: **TV-OP-035**

Date Issued: **December 22, 2000, Minor Modification 3-20-02**

This certifies that:

L. W. Packard and Company, Inc.
PO Box 515
Ashland, NH 03217-0515

has been granted a Title V Operating Permit for the following facility and location:

L. W. Packard and Company, Inc.
6 Mill Street
Ashland, NH 03217-0515

This Title V Operating Permit is hereby issued under the terms and conditions specified in the Title V Operating Permit Application filed with the New Hampshire Department of Environmental Services on **July 1, 1996** under the signature of the following responsible official certifying to the best of their knowledge that the statements and information therein are true, accurate and complete.

Responsible Official:

Susan Francesco
Vice-President
(603) 968-3351

Technical Contact:

Susan Francesco
Vice-President
(603) 968-3351

This Permit is issued by the New Hampshire Department of Environmental Services, Air Resources Division pursuant to its authority under New Hampshire RSA 125-C and in accordance with the provisions of Code of the Federal Regulations 40 Part 70.

This Title V Operating Permit shall expire on **December 22, 2005**.

SEE ATTACHED SHEETS FOR ADDITIONAL PERMIT CONDITIONS

For the New Hampshire Department of Environmental Services, Air Resource Division

Director, Air Resources Division

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ABBREVIATIONS

AAL	Ambient Air Limit
AP-42	Compilation of Air Pollutant Emission Factors
ARD	Air Resources Division
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
BHP	Break Horse Power
BTU	British Thermal Units
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CAS	Chemical Abstract Service
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CNG	Compressed Natural Gas
CO	Carbon monoxide
CO ₂	Carbon dioxide
COMS	Continuous Opacity Monitoring System
DER	Discrete Emission Reduction
DES	Department of Environmental Services (New Hampshire)
Env-A	New Hampshire Code of Administrative Rules – Air Resources Division
Env-Wm	New Hampshire Code of Administrative Rules – Waste Management Division
ECS	Emission Control System
ERC	Emission Reduction Credit
FR	Federal Register
HAP	Hazardous Air Pollutant
HCl	Hydrochloric acid
Hr	Hour
kGal	1,000 gallons
LAER	Lowest Achievable Emission Rate
Lb/hr	Pounds per hour
LNB	Low NO _x Burner
LNG	Liquid Natural Gas
LPG	Liquid Petroleum Gas (Propane)
MACT	Maximum Available Control Technology
mg/L	Milligrams per liter (ppm)
MMBTU	Million British Thermal Units
MMCF	Million Cubic Feet
NAAQS	National Ambient Air Quality Standard
NCCEM	Non-certified Continuous Emissions Monitoring System
NESAPS	National Emissions Standards for Hazardous Air Pollutants
NG	Natural Gas
NHDES (or DES)	New Hampshire Department of Environmental Services
NO _x	Oxides of Nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PCB	Polychlorinated biphenyl
PE	Potential Emission
PM	Particulate Matter

ABBREVIATIONS (cont.)

PM ₁₀	Particulate Matter less than 10 microns diameter
ppm	part per million
ppmv	part per million by volume
ppmdv	part per million by dry volume
PSD	Prevention of Significant Deterioration
PSI	Pounds per Square Inch
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
RTAP	Regulated Air Toxic Pollutant
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
T-12M	Tons during any consecutive 12-month period
TAP	Toxic Air Pollutant
TSP	Total Suspended Particulate Matter
TPY	Tons per Year
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

Facility Specific Title V Operating Permit Conditions

I. Facility Description of Operations

L. W. Packard and Company, Inc. (L. W. Packard) manufactures fine woolens at its facility in Ashland, New Hampshire. The primary sources of air pollutant emissions, at the facility, are fuel-burning devices, and the textile manufacturing process which includes dyeing and fulling process operation. The L.W. Packard facility has potential to emit more than 100 tons of SO₂ per year and therefore, must obtain Title V Operating Permit.

II. Permitted Activities

In accordance with all of the applicable requirements identified in this permit, the permittee is authorized to operate the devices and or processes identified in Sections III, IV, V and VI within the terms and conditions specified in this Permit.

III. Significant Activities Identification and Stack Criteria

Significant Activity Identification

The activities identified in the following table (Table 1) are subject to and regulated by this Title V Operating Permit:

Table 1 – Significant Activity Identification				
Emission Unit Number	Description of Emission Unit	Exhaust Stack Identification	Maximum Operating Conditions	
EU1	Cleaver Brooks Boiler CE 600-700, Installed in 1975	Stack #1	The device shall be limited to: (a) 29.3-mmBtu/hr gross heat input; (b) The operating hours of this device shall be limited to 24 hrs/day and 340 days during any consecutive 365-day period.	The EU1 and EU2 shall be limited to: (a) 2% sulfur by weight when using #6 fuel oil. (b) 2% sulfur by weight when using mixture of #6 fuel oil and on-site generated specification used oil ¹ mixture. (c) 500 gallons/day of on-site generated specification used oil. Only one device EU1 or EU2 shall be burning specification used oil at a time.
EU2	Cleaver Brooks Boiler CR 400x-300, Installed in 1981	Stack #1	The device shall be limited to: (a) 12.6-mmBtu/hr gross heat input; (b) The operating hours of this device shall be limited to 24 hrs/day and 350 days during any consecutive 365-day period.	
1. Facility wide NOx emissions shall be limited to 49.9 tons during any consecutive 12-month period. 2. Facility wide # 6 fuel oil usage shall be limited to 1,745,000 gallons during any consecutive 12-month period ² .				
EU3	Textile Manufacturing Process Fulling and Dyeing	Stack #2 & Stack #3	Facility-wide VOC emissions shall be limited to 0.03424 lbs/(lb of cloth shipped) averaged during any calendar 90-day period.	

¹ Specification used oil shall be defined in accordance with Env-Wm 110.01(b) and shall meet the standards set forth in Env-Wm 807.02.

² Emissions limitations specified in Table 1 for EU1 and EU2 are set to meet NOx limit of 49.9 TPY and are based on AP-42 Emission Factors, 5th Ed, 07 Sep 98 Revision.

Stack Criteria

The following stacks for the above listed significant devices at this facility shall discharge to meet the following criteria in accordance with the state-only modeling requirements specified in Env-A 1300 and Env-A 1400 and the federally enforceable National Ambient Air Quality Standards (NAAQS).

Table 2 – Stack Criteria				
Stack #	Emission Unit #	Minimum Stack Height (feet) Above Ground Level	Minimum Stack Flow Rate (ACFM)	Maximum Stack Diameter or Dimensions (feet)
ST 1	EU1& EU2 Steam Plant	80.0	12,921	4.0
ST 2	EU3 Fulling Process	47.0	2,600	2.0
ST 3	EU3 Jet Kettle Dyeing Process	23.0	9,200	2.5
F2 Roof Exhaust	EU3 Beam Dyeing Process	23.0	8,000	3.0
F3 Roof Exhaust	EU3 Beam Dyeing Process	23.0	8,200	3.0
F4 Roof Exhaust	EU3 Beam Dyeing Process	23.0	11,300	3.0
F5 Roof Exhaust	EU3 Beam Dyeing Process	23.0	8,000	2.7

Preauthorized changes to the state-only requirements pertaining to stack parameters, set forth in this permit, shall be permitted only when an air quality impact analysis, which meets the criteria of Env-A 606, is performed either by the facility or the DES (if requested by facility in writing) in accordance with the ADES Policy and Procedure for Air Quality Impact Modeling³. All air modeling data shall be kept on file at the facility for review by the DES upon request. This is state-only requirement.³

IV. Insignificant Activities Identification

All activities at this facility that meet the criteria identified in the New Hampshire Rules Governing the Control of Air Pollution Part Env-A 609.03(g) shall be considered insignificant activities.

³ The term “state-only requirement” is used to refer to those requirements that are not federally enforceable but are state requirements as defined in Env-A 101.259.

Emissions from the insignificant activities shall be included in the total facility emissions for the emission-based fee calculation described in Section XXIII of this Permit.

V. Exempt Activities Identification

All activities identified in the New Hampshire Rules Governing the Control of Air Pollution Env-A 609.03(c) shall be considered exempt activities and shall not be subject to or regulated by this Title V Operating Permit.

VI. Pollution Control Equipment Identification

Pollution Control Equipment is not used for any of the devices identified in this permit.

VII. Alternative Operating Scenarios

No alternative operating scenarios were identified for this permit.

VIII. Applicable Requirements

A. VOC RACT ORDER Requirements:

The Permittee is subject to the Volatile Organic Compound (VOC) Reasonably Available Control Technology (RACT) ORDER, ARD-94-001. Emission limits and restrictions contained in sections VIII.A.1. through VIII.A.7. of this permit are federally enforceable.

1. The carding oil used in manufacturing process shall be limited to 0.05 lbs VOC/gal as measured by Method 24, 40 CFR 60, Appendix A;
2. The emissions from the use of formic acid shall be limited to 6.46 lbs during any calendar 24-hour period.
3. The dyeing process shall include at least one pressurized dye vessel.
4. Reduce the use of tar remover and Orcosoft P-45 such that the facility-wide VOC emissions shall not exceed 0.03424 lbs/(lb of cloth shipped) during any calendar 90-day period;
5. Record the daily and monthly usage (in gals/day and lbs/day) of the chemicals that are the primary source of VOC emissions as listed in Table 2-1 of the VOC RACT Evaluation dated November 1993, and chemicals introduced as a substitution to those listed:
6. Record the daily pounds of cloth invoiced to be shipped;
7. Submit reports for each calendar quarter no later than 30 days from the end of the quarter being reported. The report shall contain the daily pounds of cloth invoiced to be shipped and the 90-day rolling averages of VOC emissions in lbs/(lb of cloth shipped).

B. State-only Enforceable Operational and Emission Limitations

The Permittee shall be subject to the state-only operational and emission limitations identified in Table 3 below.

Table 3 – State-Only Enforceable Operational and Emission Limitations			
Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	Env-A 1403.01 Program Requirements for New or Modified Devices or Processes	Facility wide	New or modified devices or processes installed after May 8, 1998 shall be subject to the requirements of Env-A 1400 (<i>Regulated Toxic Air Pollutants</i>).
2.	Env-A 1403.02(b) Program Requirements for Existing Devices or Processes	Facility wide	All existing devices or processes in operation after the transition period ending on May 8, 2001 shall comply with Env-A 1400 (<i>Regulated Toxic Air Pollutants</i>).
3.	Env-A 1404.01(d) Permit Requirements	Facility wide	Documentation for the demonstration of compliance shall be retained at the facility and shall be made available to the DES for inspection.
4.	Env-A 1406.01 Methods of Demonstrating Compliance	Facility wide	The owner of any device or process, which emits a regulated toxic air pollutant, shall determine compliance with the ambient air limits by using one of the methods provided in Env-A 1406.02, Env-A 1406.03, or Env-A 1406.04. Upon request, the owner of any device or process that emits a regulated toxic air pollutant shall provide documentation of compliance with the ambient air limits to the DES.
5.	Env-A 1400 & Env-Wm 807.02	Facility wide	<p>The facility shall be limited to:</p> <p>(a) 500 gallons/day of on site generated specification used oil or 10 % of specification used oil by volume and #6 oil mixture; and</p> <p>(b) The allowable limits of the contaminants shall be as follows:</p> <p>Sulfur (% by weight) 2.0% maximum</p> <p>Arsenic 5 ppm maximum</p> <p>Cadmium 2 ppm maximum</p> <p>Chromium 10 ppm maximum</p> <p>Lead 100 ppm maximum</p> <p>Halogens as Hcl 1000ppm maximum</p> <p>PCBs none detectable</p> <p>The used oil shall not otherwise exhibit any hazardous waste characteristics specified in Env-Wm 403. The used oil shall not be mixed with hazardous waste.</p>
6.	Env-A 2003.04(d) Visible Emission Standard for Fuel Burning Devices	EU1& EU2	Exceedances of the opacity standards shall not be considered violations of this part if the source demonstrates to the division that such exceedances were the result of the adherence to good boiler operating practices which, in the long term, results in the most efficient or safe operation of the boiler.

C. Federally Enforceable Operational and Emission Limitations

The Permittee shall be subject to the federally enforceable operational and emission limitations identified in Table 4 below:

Table 4 – Federally Enforceable Operational and Emission Limitations			
Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	RSA 125-C:6, RSA 125-C:11, and Env-A 606.04 National Ambient Air Quality Standards	Facility wide	L.W. Packard shall comply with the National Ambient Air Quality Standards (NAAQS) in accordance with Env-A 606.02 and the applicable requirements of RSA 125-C:6, RSA 125-C:11. These sections include, but are not limited to, descriptions of the powers and duties of the commissioner, and requirements for adherence to permit application procedures and air pollution dispersion modeling impact analyses.
2.	Env-A 1604.01(c)(2) Sulfur Content Limitations for Liquid Fuels	EU1& EU2	The sulfur content of No. 6 oil shall not exceed 2.0 percent sulfur by weight.
3.	Env-A 2003.02 & Env-A 2003.04(a)(d) Visible Emission Standard for Fuel Burning Devices	EU1& EU2	No owner or operator shall cause or allow average opacity from fuel burning devices installed after May 13, 1970 in excess of 20 percent for any continuous 6-minute period in any 60-minute period except: (a) During periods of startup, shutdown and malfunction, average opacity shall be allowed to be in excess of 20 percent for one period of 6 continuous minutes in any 60 minute period; or (b) During periods of normal operation, soot blowing, grate cleaning, and cleaning of fires, average opacity shall be allowed to be in excess of 20 percent but not more than 27 percent for one period of 6 continuous minutes in any 60 minute period.
4.	Env-A 2107.01(a) Visible Emission Standard for Processes	Facility wide	L.W. Packard shall not cause or allow the average opacity from any process to exceed 20 percent for any continuous 6-minute in any 60-minute period.
5.	Env-A 2003.07(c)(2) Particulate Emission Standard for Fuel Burning Devices Installed After May 13, 1970 but Before January 1, 1985	EU1&EU2	For devices with I (maximum gross heat input rate in 10^6 BTU/hr) equal to or greater than 10 but less than 250, E (the maximum allowable particulate matter emission rate in lb/ 10^6 BTU) shall be calculated by raising I to the -0.234 power, and multiplying the result by 1.028, expressed mathematically in the formula below: $E = 1.028I^{-0.234}$
6.	Env-A 1211.02(n) NOx RACT Applicability	Facility wide	L.W. Packard has accepted a Permit restriction to opt out of NOx RACT by limiting the Facility wide NOx emissions to less than 49.9 tons during any consecutive 12-month period, in accordance with Env-A 1211.02(n).
7.	40 CFR 68 and 1990 CAA Section 112(r)(1) Accidental Release Program Requirements	Facility wide	L.W. Packard maintains no quantities of high-risk regulated substances above the threshold quantities established by the EPA under 40 CFR Part 68.130. Administrative controls will be established in order to ensure that inventories of regulated substances are maintained below the specified threshold quantities. The facility is subject to the Purpose and General Duty clause of the 1990 Clean Air Act, Section 112(r)(1). General Duty includes the following responsibilities: (a) Identify potential hazards which may result from such releases using appropriate hazard assessment techniques;

Table 4 – Federally Enforceable Operational and Emission Limitations

Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
			(b) Design and maintain a safe facility; (c) Take steps necessary to prevent releases; and (d) Minimize the consequences of accidental releases that do occur. If, in the future, the permittee wishes to store quantities of high risk regulated substances above the threshold levels, an emergency response plan shall be submitted to the DES prior to storing those substances above threshold quantities. This plan shall include the information listed in 40 CFR 68, Subpart E.

D.Emission Reductions Trading Requirements

L.W. Packard shall be authorized under the applicable requirements of Env-A 3000 (Emissions Reductions Credit (ERCs) Trading Program) and Env-A 3100 (The Discrete Emissions Reductions (DERs) Trading Program) to bank or trade ERCs or DERs. The ERCs may be traded upon issuance of an ERC Certificate by DES. The DERs may be traded upon submittal of Notices of Generation of DERs. Upon submittal, said Notices shall be available to the public under RSA91-A.

E. Monitoring/Testing Requirements

The Permittee is subject to the monitoring/testing requirements as contained in Table 5 below:

Table 5– Monitoring/Testing Requirements					
Item #	Device	Parameter	Method of Compliance	Frequency of Method	Regulatory Cite
1.	EU1	Specification Used Oil Limit	The operator shall monitor and keep records of the amount of specification used oil blended with #6 oil, which shall be limited to 10 % by volume.	Upon each blending of specification used oil with #6 fuel oil	Env-A 809.01 & Env-Wm 807.10(b)(5) Federally Enforceable
2.	EU1	Used Oil Analysis	The operator shall conduct testing of on site generated specification used oil before it is mixed with #6 fuel oil in accordance with appropriate ASTM test methods to determine compliance with limitation provisions, specified in Table 3, Item 5, in order to meet the reporting requirements specified in Env-A 900.	Before each mixing of fuels	Env-A 809.01 & Env-Wm 807.10(b)(5) State Enforceable Only
3.	Facility Stacks	Allows for adequate dispersion of HAPs and other regulated pollutants	Conduct an annual inspection of each stack and fuel-burning device. Inspection shall be focused on identifying holes, leaks, deposits, deficiencies, or deterioration of equipment or stacks. Records of inspections and subsequent maintenance conducted as a result of the annual inspections shall be kept on file at the facility for review by the DES and/or EPA upon request.	Annually	Env-A 806.01(4) and 40 CFR 70.6(a)(3)
4.	Facility Wide	Sulfur Content of Liquid Fuels	The operator shall conduct testing in accordance with appropriate ASTM test methods or retain delivery tickets which certify the weight percent of sulfur for each delivery of fuel oil to determine compliance with the sulfur content limitation provisions specified in this permit for liquid fuels in order to meet the reporting requirements specified in Env-A 900.	For each delivery of fuel oil to the facility	Env-A809.01 Federally Enforceable

F. Recordkeeping Requirements

The Permittee is subject to the Recordkeeping requirements as contained in Table 6 below:

Table 6 – Applicable Recordkeeping Requirements				
Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite
1.	<p><u>Sulfur Content of Fuel:</u> Delivery tickets from each fuel oil supplier for each shipment of fuel oil received shall be kept on file and shall be available to the DES and /or EPA upon request. Each delivery ticket shall indicate:</p> <ul style="list-style-type: none"> (a) The name of fuel supplier; (b) The address of the fuel oil supplier; (c) The telephone number of fuel oil supplier; (d) The quantity of fuel oil delivered; and (e) The percent sulfur by weight of the fuel oil being delivered. <p>If delivery tickets do not contain sulfur content of fuel being delivered, the Permittee shall perform testing in accordance with appropriate ASTM test methods to determine compliance with the sulfur content limitation provisions in Env-A 1604.01(a) and 1604.01(c)(2) for liquid fuels.</p>	Maintain on a continuous basis	Facility Wide	40 CFR 70.6(a)(3) Federally Enforceable
2.	<p><u>Retention of Records:</u> The Permittee shall retain records of all required monitoring data, record keeping and reporting requirements and support information for a period of at least 5 years from the date of the origination.</p>	Retain for a minimum of 5 years	Facility wide	40 CFR 70.6(a)(3)(ii) (B) Federally Enforceable
3.	<p><u>Testing and Monitoring Data:</u> The Permittee shall maintain records of monitoring and testing requirements as specified in Table 5 of this Permit including:</p> <ul style="list-style-type: none"> (a) Preventive maintenance and inspection results for stacks, processes and boilers; (b) Summary of testing and/or delivery ticket certifications for sulfur content limitation provisions; 	Maintain on a continuous basis.	Facility wide	40 CFR 70.6(a)(3)(iii) (A) Federally Enforceable
4.	<p><u>Insignificant Activities:</u> Maintain annual records of actual emissions from insignificant activities for determination of emission-based fees.</p>	Maintain on a continuous basis	Facility wide	Env-A 609.03(e)(f)

Table 6 – Applicable Recordkeeping Requirements

Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite
5.	<u>Records on Fuel Utilization:</u> The permittee shall record monthly fuel usage information including: <ul style="list-style-type: none"> (a) The quantity of fuel used monthly; (b) The fuel type; (c) Viscosity; (d) BTU content per gallon of fuel; (e) Sulfur content as percent sulfur by weight of fuel; and (f) The hours of operation corresponding to the utilization and distribution of fuels. (g) The quantity of specification used oil used. (h) The amount of virgin # 6 oil contained in the storage tank at the time specification used oil was added. (i) The amount of specification used oil added to the virgin #6 oil fuel tank. (j) The calculated percent concentration of specification used oil in the storage tank after blending. (k) The concentration of the contaminants in the specification used oil being used listed in Table 3, Item 5. 	Maintain on a continuous basis	EU1 & EU2	Env-A 901.03(a) Federally Enforceable
6.	<u>Records on Process Operations:</u> To satisfy the applicable requirements of Env-A 901.04, The Permittee shall record the following information: <ul style="list-style-type: none"> (a) Records shall be kept regarding the total monthly quantity, in gallons or pounds, of raw materials used containing VOCs and HAPs; (b) Records shall be kept regarding the total monthly quantity, in gallons or pounds, of New Hampshire Regulated Toxic Air Pollutants (NHRTAPs) used in each process. 	Monthly and annually	Facility Wide	Env-A 901.04 (a) Federally Enforceable Env-A 1400 State-only Requirement

Table 6 – Applicable Recordkeeping Requirements

Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite
7.	<p><u>VOC Record keeping Requirements</u></p> <p>The Permittee shall record and maintain the following information at the facility:</p> <ul style="list-style-type: none"> (a) Identification of each VOC-emitting process or device; (b) Records kept regarding the hours of operation of each process; <ul style="list-style-type: none"> (i). Hours of operation per day during normal operating schedule and for a typical high ozone season day if different from the normal operating schedule; and (ii). Hours of operation per year under normal operating conditions. (iii). Days of operation per calendar week during normal operating schedule. (c) The following VOC data: <ul style="list-style-type: none"> (i). Actual VOC emissions for each calendar year, in tons; (ii). Actual VOC emissions for high ozone season day during that calendar year, in pounds per day; and (iii). The emission factors and the origin of the emission factors used to calculate the VOC emissions. (d) The following data shall be maintained and recorded as follows: <ul style="list-style-type: none"> (i). Daily and monthly usage in gallons and pounds of the chemicals that are the primary source of VOC emissions as listed in Table 2-1 of the VOC RACT Evaluation dated November 1993, or chemicals introduced as a substitution to those listed; (ii). Record the daily pounds of cloth invoiced to be shipped. (iii). Record the daily values of VOC emissions averaged over a consecutive 90-day rolling period in lbs/(lb of cloth shipped); 	As specified	EU3	<p>Env-A 901.06(d)(3)(4) Federally Enforceable</p> <p>RACT Order ARD-94-001 Federally Enforceable</p>

Table 6 – Applicable Recordkeeping Requirements

Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite
7.con't	<p>(e) In addition to the requirements of (d), above, the following information regarding VOC containing compounds shall be recorded and maintained:</p> <ul style="list-style-type: none"> (i). Supplier; (ii). Name; (iii). Type; (iv). Identification number; (v). Density described as lbs/gal; (vi). Total volatiles content described as weight percent; (vii). Water content described as weight percent; (viii). Exempt solvent content described as weight percent; (ix). VOC content described as weight percent; (x). Solids content described as volume percent. <p>(f) For all operations using diluents if any:</p> <ul style="list-style-type: none"> (i). Diluent name and identification number; (ii). Diluent solvent density described in lbs/gal; (iii). Diluent VOC content described as weight percent; (iv). Diluent exempt solvent content described as weight percent; (v). Volume of diluents VOC described as gal; (vi). Diluent/solvent ratio described as gal diluent solvent/gal coating. 	Maintain on a continuous basis	EU3	<p>Env-A 901.06(e) Federally Enforceable</p> <p>Env-A 901.06(e)(2)(3)</p>

Table 6 – Applicable Recordkeeping Requirements

Item #	Recordkeeping Requirement	Frequency of Recordkeeping	Applicable Emission Unit	Regulatory Cite
8.	<p><u>NOx Recordkeeping Requirements:</u></p> <p>For fuel burning devices, including boilers, and internal combustion engines, the following information shall be recorded and maintained:</p> <ul style="list-style-type: none"> (a) Facility information, including: <ul style="list-style-type: none"> (i). Source name; (ii). Source identification; (iii). Physical address; (iv). Mailing address; and (v). A copy of the certificate of accuracy required to be maintained. (b) Identification of each fuel burning device; (c) Operating schedule information for each fuel burning device identified in b), above, including: <ul style="list-style-type: none"> (i). Days per calendar week during the normal operating schedule; (ii). Hours per day during the normal operating schedule and for a typical ozone season day, if different from the normal operating schedule; and (iii). Hours per year during the normal operating schedule; (d) Type, and amount of fuel burned, for each fuel burning device, during normal operating conditions and for a typical ozone season day, if different from normal operating conditions, on an hourly basis in million Btu's per hour and; (e) The following NOx emission data, including records of total annual emissions, in tons per year, and typical ozone season day emissions, in pounds per day; <ul style="list-style-type: none"> (i). Theoretical potential emissions for the calculation year for each fuel burning device; and (ii). Actual NOx emissions for each fuel-burning device. 	Maintain on a continuous basis	Facility Wide	Env-A 901.08 Federally Enforceable

G.Reporting Requirements

The Permittee is subject to the federally enforceable reporting requirements identified in Table 7 below:

Table 7 – Applicable Reporting Requirements				
Item #	Reporting Requirement	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite
1.	<u>Certification by a Responsible Official:</u> Any report or compliance certification submitted to the DES and/or EPA shall contain certification by a responsible official of truth, accuracy, and completeness as outlined in Section XXI.B of this permit	As specified	Facility wide	40 CFR 70.5 (d)
2.	<u>Summary Report of Monitoring and Testing and Permit Deviations:</u> The Permittee shall submit a summary report of all permit deviations and any required monitoring and testing every 6 months. All instances of deviations from Permit requirements must clearly be identified in such reports. All required reports must be certified by a responsible official consistent with Section XXI.B. of this Permit. The report shall contain a summary of the following data: (a) Summary report of testing and/or delivery tickets certifications for fuel sulfur content limitation provisions; (b) Summary report of preventative maintenance and annual inspection of stacks and fuel burning devices; and (c) Permit deviations.	Semi-annually by July 31st and January 31st of each calendar year.	Facility Wide	40 CFR 70.6(a)(3)(iii) (A)
3.	<u>Prompt Reporting of Permit Deviations:</u> The permittee shall promptly report deviations from permit requirements within 24 hours of such an occurrence by phone or fax in accordance with Section XXVIII of this permit.	Within 24 hours of occurrence	Facility wide	40 CFR 70.6(a)(3)(iii) (B)
4.	<u>Annual Compliance Certification:</u> The permittee shall submit annual compliance certification in accordance with Section XXI.A. for this permit.	Annually (no later than April 15 th of the following year)	Facility wide	40 CFR 70.6(c)(1)
5.	<u>Annual Reporting and Emissions Fees:</u> The permittee shall submit annual reports and payment of emission-based fees in accordance with Section XXIII of this permit.	Annually—Reporting by April 15 th and payment by October 15 th	Facility wide	and Env-A 704.03 and 704.04
6.	<u>VOC Reporting Requirements</u> To satisfy the reporting requirements, the Permittee shall report the following information: (a) Facility information including: (i). Source name; (ii). Source identification; (iii). Physical address;	Annually (no later than April 15 th of the following year)	Facility wide	Env-A 901.07(b)&(c)

Table 7 – Applicable Reporting Requirements

Item #	Reporting Requirement	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite
	<ul style="list-style-type: none"> (iv). Mailing address; (v). Date of origination of reports; (vi). Facility contact and title and; (vii). Facility telephone number. (b) Operating schedule information for each device or process for: <ul style="list-style-type: none"> (i). A typical business day; and (ii). A typical high ozone season day, if different from a typical business day. (c) Total quantities of actual VOC emissions for the entire facility and for each process or device: <ul style="list-style-type: none"> (i). Annual VOC emissions, in tons; and (ii). Typical high ozone season day VOC emissions, in pounds per day. (iii). Days of operation per calendar week during normal operating schedule; (d) Quarterly reports of daily pounds of total cloth invoiced to be shipped shall be reported within 30 days of the end of the calendar quarter; and (e) Quarterly reports of daily values of VOC emissions averaged over a consecutive 90-day rolling period in lbs/(lb of cloth shipped) shall be reported within 30 days of the end of the calendar quarter. 			RACT Order ARD-94-001 Federally Enforceable
7.	<u>NOx Reporting Requirements:</u> For fuel burning devices, including boilers, and engines, as well as miscellaneous sources, the owner or operator shall submit to the Director, reports of the data required by Condition VIII.F, Table 6, Item 8, including total annual quantities of all NOx emissions.	Annually (no later than April 15 th of the following year)	Facility Wide	Env-A 901.09 Federally Enforceable
8.	<u>Regulated Toxic Air Pollutant Reports:</u> The Permittee shall report actual emissions speciated by individual regulated toxic air pollutants, including a breakdown of VOC emission compounds.	Annually (no later than April 15 th of the following year)	Facility Wide	Env-A 907.01 State Enforceable Only

IX. Requirements Currently Not Applicable:

Requirements currently not applicable to the facility were not identified by the Permittee.

General Title V Operating Permit Conditions**X. Issuance of a Title V Operating Permit:**

- A. This Permit is issued in accordance with the provisions of Env-A 609. In accordance with RSA 125-C:11, I-a and consistent with 40 CFR 70.6(a)(2) this Permit shall expire on the date specified on the cover page of this Permit, which shall not be later than the date five (5) years after issuance of this Permit.
- B. Permit expiration terminates the Permittee's right to operate the Permittee's emissions units, control equipment or associated equipment covered by this Permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.
- C. Pursuant to Env-A 609.02(b), this Permit shall be a state permit to operate as defined in RSA 125-C:11, III.

XI. Title V Operating Permit Renewal Procedures:

Pursuant to Env-A 609.06(b), an application for renewal of this Permit shall be considered timely if it is submitted to the Director at least six months prior to the designated expiration date of this Permit.

XII. Application Shield:

Pursuant to Env-A 609.07, if an applicant submits a timely and complete application for the issuance or renewal of a Permit, the failure to have a Permit shall not be considered a violation of this part until the Director takes final action on the application.

XIII. Permit Shield:

- A. Pursuant to Env-A 609.08(a), a permit shield shall provide that:
 - 1. For any applicable requirement or any state requirement found in the New Hampshire Rules Governing the Control of Air Pollution, Env-A 100 through Env-A 3600, specifically included in this Permit, compliance with the conditions of this Permit shall be deemed compliance with said applicable requirement or said state requirement as of the date of permit issuance; and
 - 2. For any potential applicable requirement or any potential state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically identified in Section IX, Table 8 of this Title V Operating Permit as not applicable to the stationary source or area source, the Permittee need not comply with such requirement.
- B. The permit shield identified in Section XIII. of this Permit shall apply only to those conditions incorporated into this Permit in accordance with the provisions of Env-A 609.08(b). It shall not apply to certain conditions as specified in Env-A 609.08(c) that may be incorporated into this Permit following permit issuance by DES.
- C. If a Title V Operating Permit and amendments there to issued by the DES does not expressly include or exclude an applicable requirement or a state requirement found in the NH Rules

Governing the Control of Air Pollution, that applicable requirement or state requirement shall not be covered by the permit shield and the Permittee shall comply with the provisions of said requirement to the extent that it applies to the Permittee.

- D. If the DES determines that this Title V Operating Permit was issued based upon inaccurate or incomplete information provided by the applicant or Permittee, any permit shield provisions in said Title V Operating Permit shall be void as to the portions of said Title V Operating Permit, that are affected, directly or indirectly, by the inaccurate or incomplete information.
- E. Pursuant to Env-A 609.08(f), nothing contained in Section XIII of this Permit shall alter or affect the ability of the DES to reopen this Permit for cause in accordance with Env-A 609.18 or to exercise its summary abatement authority.
- F. Pursuant to Env-A 609.08(g), nothing contained in this section or in any Title V Operating Permit issued by the DES shall alter or affect the following:
 - 1. The ability of the DES to order abatement requiring immediate compliance with applicable requirements upon finding that there is an imminent and substantial endangerment to public health, welfare, or the environment;
 - 2. The state of New Hampshire's ability to bring an enforcement action pursuant to RSA 125-C:15, II;
 - 3. The provisions of section 303 of the Act regarding emergency orders including the authority of the EPA Administrator under that section;
 - 4. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - 5. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
 - 6. The ability of the DES or the EPA Administrator to obtain information about a stationary source, area source, or device from the owner or operator pursuant to section 114 of the Act; or
 - 7. The ability of the DES or the EPA Administrator to enter, inspect, and/or monitor a stationary source, area source, or device.

XIV. Reopening for Cause:

The Director shall reopen and revise a Title V Operating Permit for cause if any of the circumstances contained in Env-A 609.18(a) exist. In all proceedings to reopen and reissue a Title V Operating Permit, the Director shall follow the provisions specified in Env-A 609.18(b) through (g).

XV. Administrative Permit Amendments:

Pursuant to Env-A 612.01, the Permittee may implement the changes addressed in the request for an administrative permit amendment as defined in Part Env-A 100 immediately upon submittal of the request.

Pursuant to Env-A 612.01, the Director shall take final action on a request for an administrative permit amendment in accordance with the provisions of Env-A 612.01(b) and (c).

XVI. Operational Flexibility:

- A. Pursuant to Env-A 612.02(a), the Permittee subject to and operating under this Permit may make changes involving trading of emissions under this Permit at the permitted stationary source or

area source without filing an application for and obtaining an amended Title V Operating Permit, provided that all the conditions are met as specified in section XVI. 1. through 7. of this permit and a notice is submitted to the DES and EPA describing the intended changes. At this point, DES has not included any permit terms authorizing emissions trading in this permit.

1. The change is not a modification under any provision of title I of the Act;
 2. The change does not cause emissions to exceed the emissions allowable under the Title V Operating Permit, whether expressed therein as a rate of emissions or in terms of total emissions;
 3. The owner or operator has obtained any temporary permit required by Env-A 600;
 4. The owner or operator has provided written notification to the director and administrator at least 15 days prior to the proposed change and such written notification includes:
 - a) The date on which each proposed change will occur;
 - b) A description of each such change;
 - c) Any change in emissions that will result and how this change in emissions will comply with the terms and conditions of the permit;
 - d) A written request that the operational flexibility procedures be used; and
 - e) The signature of the responsible official, consistent with Env-A 605.04(b);
 5. The Title V Operating Permit issued to the stationary source or area source already contains terms and conditions including all terms and conditions which determine compliance required under 40 CFR 70.6(a) and (c) and which allow for the trading of emissions increases and decreases at the permitted stationary source or area source solely for the purpose of complying with a federally-enforceable emissions cap that is established in the permit independent of otherwise applicable requirements;
 6. The owner or operator has included in the application for the Title V Operating Permit proposed replicable procedures and proposed permit terms which ensure that the emissions trades are quantifiable and federally enforceable for changes to the Title V Operating Permit which qualify under a federally- enforceable emissions cap that is established in the Title V Operating Permit independent of the otherwise applicable requirements; and
 7. The proposed change complies with Env-A 612.02 (e).
- B. Pursuant to Env-A 612.02(c), the Permittee subject to and operating under this Permit may make changes not addressed or prohibited by this Permit at the permitted stationary source or area source without filing a Title V Operating Permit application, provided that all the conditions specified in Env-A 612.02(c)(1) through (6) are met and a notice is submitted to the DES and EPA describing the intended changes.
- C. Pursuant to Env-A 612.02(d), the Permittee, Operator, Director and Administrator shall attach each notice of an off-permit change completed in accordance with Section XVI of this Title V Operating Permit to their copy of the current Title V Operating Permit.
- D. Pursuant to Env-A 612.02(e), any change under Section XVI shall not exceed any emissions limitations established under the NH Rules Governing the Control of Air Pollution, or result in an increase in emissions, or result in new emissions, of any toxic air pollutant or hazardous air pollutant other than those listed in the existing Permit.

- E. Pursuant to Env-A 612.02(f), the off-permit change shall not qualify for the permit shield under Env-A 609.08.

XVII. Minor Permit Amendments:

- A. Prior to implementing a minor permit modification, the Permittee shall submit a written request to the Director in accordance with the requirements of Env-A 612.04(b).
- B. The Director shall take final action on the minor permit amendment request in accordance with the provisions of Env-A 612.04(c) through (g).
- C. Pursuant to Env-A 612.04(g), the permit shield specified in Env-A 609.08 shall not apply to minor permit amendments under Section XVII. of this Permit.
- D. Pursuant to Env-A 612.04(i), the Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if the change is made prior to the filing with the Director a request for a minor permit amendment.

XVIII. Significant Permit Amendments:

- A. Pursuant to Env-A 612.05, a change at the facility shall qualify as a significant permit amendment if it meets the criteria specified in Env-A 612.05(a)(1) through (7).
- B. Prior to implementing the significant permit amendment, the Permittee shall submit a written request to the Director, which includes all the information as referenced in Env-A 612.05(b) and (c) and shall be issued an amended Title V Operating Permit from the DES. The Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if a request for a significant permit amendment is not filed with the Director and/or the change is made prior to the issuance of an amended Title V Operating Permit.
- C. The Director shall take final action on the significant permit amendment in accordance with the procedures specified in Env-A 612.05(d), (e) and (f).

XIX. Title V Operating Permit Suspension, Revocation or Nullification:

- A. Pursuant to RSA 125-C:13, the Director may suspend or revoke permit if, following a hearing, the Director determines that:
 - 1. The Permittee has committed a violation of any applicable statute or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution and not covered by the permit shield in Section XIII, order or permit condition in force and applicable to it; or
 - 2. The emissions from any device to which this Permit applies, alone or in conjunction with other sources of the same pollutants, presents an immediate danger to the public health.
- B. The Director shall nullify this Permit, if, following a hearing in accordance with RSA 541-A:30, II, a finding is made that the Permit was issued in whole or in part based upon any information proven to be intentionally false or misleading.

XX. Inspection and Entry:

Pursuant to Env-A 614.01, EPA and DES personnel shall be granted access to the facility covered by this Permit, for the purposes of: inspecting the permitted site; investigating a complaint; or assuring compliance with any applicable requirement or state requirement found in the NH Rules Governing the Control of Air Pollution and/or conditions of any permit issued pursuant to Chapter Env-A 600.

XXI. Certifications**A. Compliance Certification Report**

In accordance with 40 CFR 70.6(c), the Responsible Official shall certify, for the previous calendar year, that the facility is in compliance with the requirements of this permit. The report shall be submitted annually, no later than April 15th of the following year. The report shall be submitted to the DES and to the U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

In accordance with 40 CFR 70.6(c)(5), the report shall describe:

1. The terms and conditions of the Permit that are the basis of the certification;
2. The current compliance status of the source with respect to the terms and conditions of this Permit, and whether the method was continuous or intermittent during the reporting period;
3. The methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
4. Any additional information required by the DES to determine the compliance status of the source.

B. Certification of Accuracy Statement

All documents submitted to the DES shall contain a certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in accordance with the requirements of 40 CFR 70.5(d) and contain the following language:

"I am authorized to make this submission on behalf of the facility for which the submission is made. Based on information and belief formed after reasonable inquiry, I certify that the statements and information in the enclosed documents are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

All reports submitted to DES (except those submitted as emission based fees as outlined in Section XXIII of this Permit) shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095
ATTN: Compliance Bureau Administrator

All reports submitted to EPA shall be submitted to the following address:

Office of Environmental Stewardship
Director Air Compliance Program
United States Environmental Protection Agency
1 Congress Street
Suite 1100 (SEA)
Boston, MA 02114-2023
ATTN: Air Compliance Clerk

XXII. Enforcement:

Any noncompliance with a permit condition constitutes a violation of RSA 125-C:15, and, as to the conditions in this permit which are federally enforceable, a violation of the Clean Air Act, 42 U.S.C. Section 7401 et seq., and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the DES and/or EPA. Noncompliance may also be grounds for assessment of administrative, civil or criminal penalties in accordance with RSA 125-C:15 and/or the Clean Air Act. This Permit does not relieve the Permittee from the obligation to comply with any other provisions of RSA 125-C, the New Hampshire Rules Governing the Control of Air Pollution, or the Clean Air Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this Permit.

In accordance with 40 CFR 70.6 (a)(6)(ii), a Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

XXIII. Emission-Based Fee Requirements:

- A. The Permittee shall pay an emission-based fee annually for this facility as calculated each calendar year pursuant to Env-A 704.03.
- B. The Permittee shall determine the total actual annual emissions from the facility to be included in the emission-based multiplier specified in Env-A 704.03(a) for each calendar year in accordance with the methods specified in Env-A 620.
- C. The Permittee shall calculate the annual emission-based fee for each calendar year in accordance with the procedures specified in Env-A 704.03 and the following equation:

$$FEE = E * DPT * CPI_{Im} * ISF$$

Where:

FEE = The annual emission-based fee for each calendar year as specified in Env-A 704.

E = The emission-based multiplier is based on the calculation of total annual emissions as specified in Env-A 704.02 and the provisions specified in Env-A 704.03(a).

DPT = The dollar per ton fee the DES has specified in Env-A 704.03(b).

CPI_{Im} = The Consumer Price Index Multiplier as calculated in Env-A 704.03(c).

ISF = The Inventory Stabilization Factor as specified in Env-A 704.03(d).

- D. The Permittee shall contact the DES each calendar year for the value of the Inventory Stabilization Factor and for the value of the Consumer Price Index Multiplier.
- E. The Permittee shall submit, to the DES, payment of the emission-based fee by October 15th of the following calendar year and a summary of the calculations referenced in Sections XXIII.B. of this Permit by April 15th of the following calendar year for each calendar year in accordance with Env-A 704.04. The emission-based fee shall be made payable to: Treasurer-State of NH and summary of the calculations shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
6 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095

F. The DES shall notify the Permittee of any under payments or over payments of the annual emission-based fee in accordance with Env-A 704.05.

XXIV. Duty To Provide Information

In accordance with 40 CFR 70.6 (a)(6)(v), upon the DES's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall furnish to the DES copies of records that the Permittee is required to retain by this Permit. The Permittee may make a claim of confidentiality as to any information submitted pursuant to this condition in accordance with Env-A 103 at the time such information is submitted to DES. DES shall evaluate such requests in accordance with the provisions of Env-A 103.

XXV. Property Rights

Pursuant to 40 CFR 70.6 (a)(6)(iv), this Permit does not convey any property rights of any sort, or any exclusive privilege.

XXVI. Severability Clause

Pursuant to 40 CFR 70.6 (a)(5), the provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

XXVII. Emergency Conditions

Pursuant to 40 CFR 70.6(g), the Permittee shall be shielded from enforcement action brought for noncompliance with technology based⁴ emission limitations specified in this Permit as a result of an emergency⁵. In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. The permitted facility was at the time being properly operated;
- C. During the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this Permit; and
- D. The Permittee submitted notice of the emergency to the DES within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

⁴ Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

⁵ An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

XXVIII. Permit Deviation:

In accordance with 40 CFR 70.6(a)(3)(iii)(B), the Permittee shall report to the DES all instances of deviations from Permit requirements, by telephone or fax, within 24 hours of discovery of such deviation pursuant to Env-A 902.02. This report shall include the deviation itself, including those attributable to upset conditions as defined in the Permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Said Permit deviation shall also be submitted in writing to the DES within fifteen (15) days of documentation of the deviation by facility personnel. Deviations are instances where any Permit condition is violated and has not already been reported as an emergency pursuant to Section XXVII of this Permit.

Reporting a Permit deviation is not an affirmative defense for action brought for noncompliance.